.pplication of Yuzo SENDA
JARITY CHECK MATRIX GENERATION
METHOD, DATA TRANSMISSION SYSTEM,
ENCODING DEVICE, DECODIING DEVICE,
AND A PARTIY CHECK MATRIX GENERATION
PROGRAM
Assignee: NEC CORPORATION
Attorney Docket No. Q95983
uly 19, 2006

Fig. 1

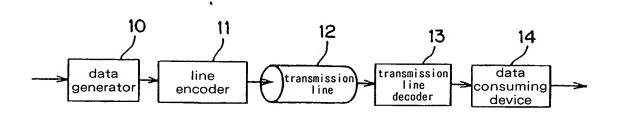


Fig. 2

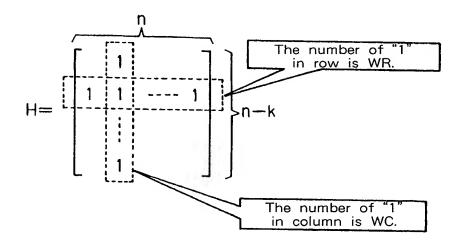


Fig. 3A

$$H = \begin{bmatrix} 1 & 1 & 1 & 1 & 0 & 1 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 1 & 1 & 1 & 1 & 1 & 0 & 0 \\ 0 & 1 & 0 & 1 & 0 & 1 & 0 & 1 & 1 & 1 \\ 1 & 0 & 1 & 0 & 1 & 0 & 0 & 1 & 1 & 1 \\ 1 & 1 & 0 & 0 & 1 & 0 & 1 & 0 & 1 & 1 \end{bmatrix}$$

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Fig. 3B

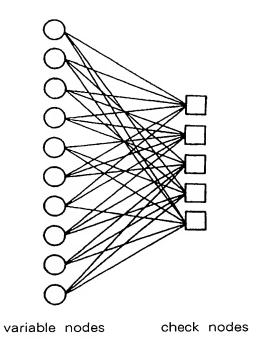


Fig. 4

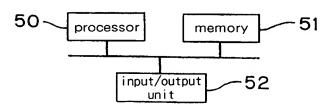
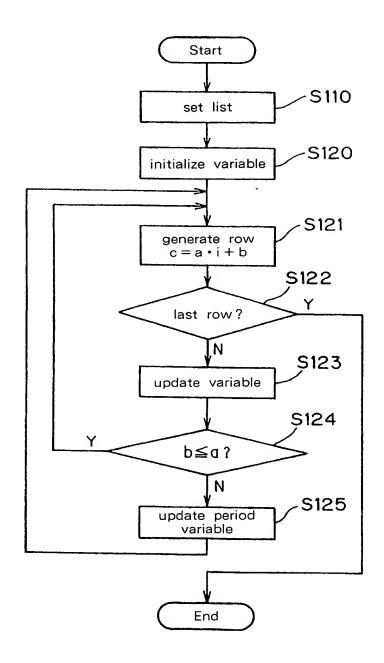


Fig. 5

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PARITY CHECK MATRIX GENERATION
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Fig. 6

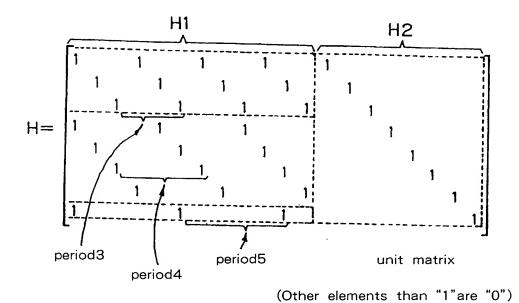


Fig. 7

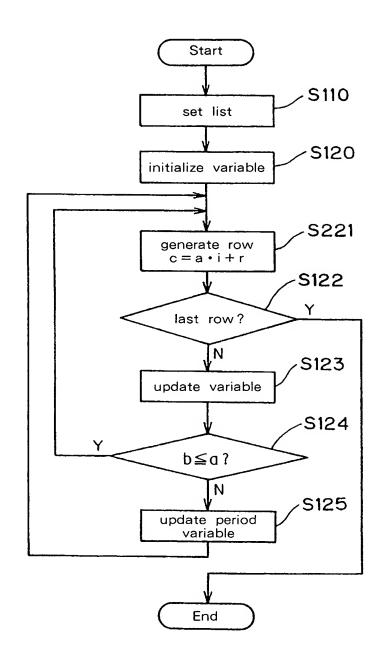


Fig. 8

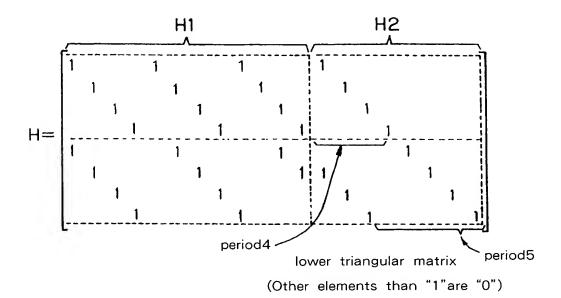


Fig. 9

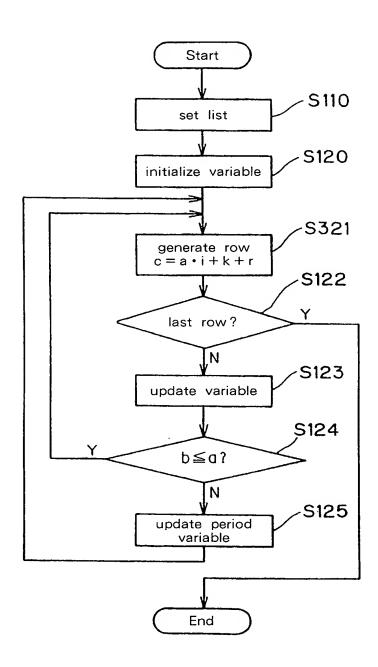
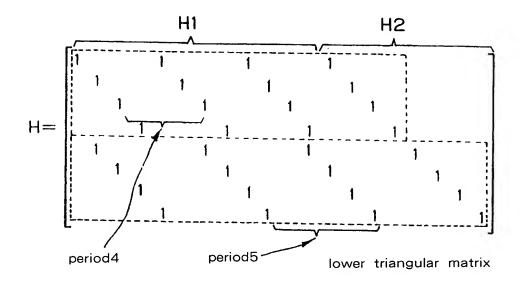


Fig. 10



(Other elements than "1" are "0")